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overlap, k-nearest neighbor, disease, diagnosis

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[PDF] ... quantitative tissue characterization of diffuse liver **disease** from ultrasound imagesYM Kadah, AA Farag, JM Zurada, AM Badawi, ABM ... - IEEE transactions on ..., 1996 - utcluj.ro  
... mainly on minimizing errors due to these **overlaps**. This can be achieved by optimizing the pro- ...  
memberships. For example, in the voting **k-nearest neighbor** technique, classification is made ...  
**disease** while the true **diagnosis** is indeed a normal liver (ie, negative). ...

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Instance-based learning algorithms- &gt;psu.edu (PDF)

DW Aha, D Kibler, MK Albert - Machine learning, 1991 - Springer

... For example, Breiman, Fried- man, Olshen, and Stone (1984) described several problems  
confronting derivatives of the nearest **neighbor** algorithm: ... However, IBL algorithms can learn  
multiple, pos- sibly **overlapping** concept descriptions simultaneously (Aha, 1989a). ...

Cited by 2160 - Related articles - All 25 versions

A space-time **cluster** investigation of an outbreak of acute respiratory **disease** in ...

M Norström, DU Pfeiffer, J Jarp - Preventive Veterinary Medicine, 2000 - Elsevier

... The program also reports secondary clusters which are other clusters which do not **overlap** with  
the most ... study area and time period, the likelihood no longer reflects a **cluster** of increased **disease**  
risk inside ... The Knox test and the **k-nearest neighbour** test were run using the Stat! ...

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Improving diagnostic accuracy using a hierarchical neural network to model ...

D West, V West - International journal of medical informatics, 2000 - Elsevier

... in diagnostic support systems: linear discriminant analysis, logistic regression, **k nearest neighbor**,  
kernel density ... MOE network is used in this research to diagnose two **overlapping diseases**,  
seborrheic dermatitis ... between these two experts and learns to assign a **disease** to one ...

Cited by 23 - Related articles - BL Direct - All 6 versions

A review of methods for the statistical analysis of spatial patterns of **disease**

RJ Marshall - Journal of the Royal Statistical Society. Series A ( ..., 1991 - jstor.org

... is a T-type statistic with  $x_{ij} = 1$  if  $j$  is one of the **k nearest** neighbours of  $i$  ... It is likely that significance  
will be attained in each of several **overlapping** or concentric circles ... It allows something between  
shrinkage towards an overall mean rate and agreement between **neighbour** rates. ...

Cited by 178 - Related articles - All 2 versions

The use of the area under the ROC curve in the evaluation of machine learning ...- &gt;psu.edu (PDF)

AP Bradley - Pattern Recognition, 1997 - Elsevier

... **k-Nearest** Neighbours ... These para- meters include the pruning parameters for the decision trees,  
the value of  $k$  for the nearest **neighbour** algorithm, and the ... is due, in part, to the type of problems  
we have analysed, being primar- ily continuous inputs with **overlapping** classes; the ...

Cited by 751 - Related articles - SL Direct - All 18 versions

### Statistical methods in diagnosis

DJ Hand - Statistical Methods in Medical Research, 1992 - smm.sagepub.com

... A brief review is presented of classical linear discriminant analysis, quadratic discriminant analysis, logistic regression, nearest **neighbour** and kernel methods, ... **Diagnosis** is classification. ... will serve to tell us which patients are 'similar' in terms of their **disease** manifestations ...

Cited by 26 - Related articles - All 2 versions

### Gynecologic specimen analysis by multiangle light scattering in a flow system- [fhc.org](#) (PDF)

GC Salzman, JM Crowell, KM Hansen, M ... - ... of Histochemistry and ..., 1976 - Histochemical Soc

... light-scatter patterns from mammalian cells, this tool has only me- cently begun to find application as an aid to the clinician in **disease diagnosis**. ... Note the **overlap** of distributions on ring 21. ... points are computed using the "**K-nearest neighbor** method, " with K usually chosen as 15 ...

Cited by 18 - Related articles - All 3 versions

### Methodological problems and the role of statistics in **cluster** response studies: a ...- [jstor.org](#) (PDF)

PKM Quataert, B Armstrong, A Berghold, F Bianchi, ... - European journal of ..., 1999 - Springer

... is possible to perform more easily than before so-called replication studies in the **neighbour-**hood of ... This **overlap** is also illustrated in Table 1 where some types of **cluster** studies are ... it is better to stop the investigation unless the link between exposure and the **disease** is biologi ...

Cited by 11 - Related articles - SL Direct - All 5 versions

### Automated classification of **clustered** microcalcifications into malignant and benign ...

WJH Veldkamp, N Karssemeijer, JDM Otten, JHCL ... - Medical Physics, 2000 - link.aip.org

... However, several benign **diseases** show microcalcifications as well. ... The first-step classifier, using the **k-nearest-neighbor** method, was used for classification of clusters in both CC and MLO views. ...

By taking groups of discs that touch or **overlap cluster** area's were defined. ...

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